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IN THE UNITED STATES PATENT & TRADEMARK OFFICE
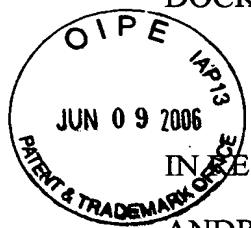
IN RE APPLICATION OF	:
ANDREJ S. MITROVIC	: EXAMINER: SAXENA, AKASH
SERIAL NO: 10/673,583	:
RCE FILED: HEREWITH	: GROUP ART UNIT: 2128
FOR: SYSTEM AND METHOD FOR USING FIRST-PRINCIPLES SIMULATION TO PROVIDE VIRTUAL SENSORS THAT FACILITATE A SEMICONDUCTOR MANUFACTURING PROCESS	:

AMENDMENT UNDER 37 C.F.R. § 1.114

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

In response to the Office Action dated March 9, 2006, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 16 of this paper.